BOMANN®

User Manual

WINE COOLER

KSW 192

Please read this manual carefully and keep for future reference!

04/2010

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OVERVIEW

Please read this user manual thoroughly before first time operation. It includes important information with regard to installation, operation and maintenance of the device. Improper use may cause hazardous situations, especially for children.
Keep this manual for future reference. Pass it on to any future owner of this product. In case of any doubt regarding questions or topics which are not extensively described in this manual, please contact your distributor or a technician.

MEANING OF THE “DUSTBIN” SYMBOL

This product is marked in accordance with the European waste regulation
2002 / 96 / EC - WEEE
It regulates the proper disposal of the product. Environmentally friendly disposal will prevent possible negative consequences to health caused by improper disposal.
This symbol on the product or its packaging indicates that this product must not be disposed of with the regular household waste. The user has to return the product to a collection point for the recycling of electric and electronic equipment.
The disposal must comply with the local regulations in place.
For further information please contact your local authorities or waste collection service.

Disable waste equipment before disposal:

- Disconnect the mains plug from the wall socket.
- Disconnect the plug from the mains cable.
- Remove or disable any existing spring or latch locks.
  This will prevent children from locking themselves (risk of suffocation!) or from getting into perilous situations. Children might not understand the risks that arise from handling household devices. Therefore, observe children and make sure they do not play with the device.

IMPORTANT USE AND SAFETY INSTRUCTIONS

General safety precautions

All safety information in this user manual are marked with a warning symbol. They indicate possible dangers precociously. It is imperative to read and follow these information.

WARNING
Do not touch the plug at the mains cable with wet or moist hands when connecting or disconnecting. Risk of death by electric shock!

- In case of emergency, unplug the device immediately.
- Hold the plug when disconnecting the mains cable; do not pull the cable.
- Disconnect the plug before cleaning or servicing.
- Regularly check the device and cable for signs of damage. Do not continue to operate the device in case of damage.
- A damaged mains cable must be replaced by the manufacturer or a technician and without any delay. Do not use the device with a damaged cable or plug.
- Do not repair the device by yourself. Please contact authorized personnel. In order to avoid hazards a damaged mains cable must be replaced with an equivalent cable by the manufacturer or qualified specialist.
- Except for cleaning and maintenance work described in this manual, no other alterations of this device must be executed.
- Do not place vases or other containers filled with liquids on the device.

Risk of injury

- So that you can disconnect the appliance quickly in event of an emergency, do not use extension cables.
- This device may not be operated by children or persons with physical, sensory or mental abilities or lack of experience and knowledge, unless they are supervised or guided.
- Children should be supervised to ensure that they do not play with the device.
- Transport the unit never with content.

	WARNING Packaging materials (e.g. plastic bags, polystyrene) are dangerous for children. Risk of suffocation! Keep packaging materials out of reach of children.
	WARNING Containers with flammable gases or liquids can leak due to cold ambient temperatures. Risk of explosion! Do not store combustible materials such as aerosol cans or refill cartridges for lighters in your device.

Intended use

- This device is intended for private use. It is suitable for tempering and storing of wine.
- Pls. take note that the device is not suitable for storing unsealed bottles of wine and unpacked food products.
- The manufacturer is not reliable for any damage resulting from improper or other then intended use.
- For safety reasons, alterations or modifications of the device are prohibited.
- Please keep in mind that the manufacturer is not reliable for any damage resulting from commercial or any other use then storing food.

Unpacking

The packaging must be undamaged. Check the device for any possible transport damage. Do not install a damaged device. In case of damage, please contact your distributor.

Packaging material

The packaging for transportation of the device and individual parts is produced of recyclable materials.

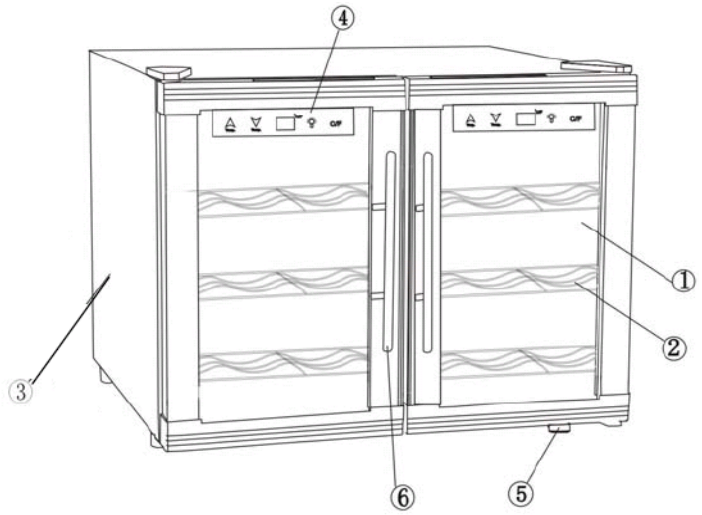
- corrugated cardboard / paperboard (mainly of waste paper)
- form part of PS (foamed, CFC-free polystyrene)
- Films and bags of PE (polyethylene)
- Strapping strips of PP (polypropylene)

	WICHTIG Make sure you dispose of packaging materials environmentally friendly (see page 3).

Removing the transport protection

The device and parts of the interior are protected for transport. Remove all adhesive tapes from the right and left side of the door. You may remove adhesive residue with a cleaning solvent. Also remove any adhesive tapes and packaging materials from the inside of the device.

PRODUCT DESCRIPTION



1 Safety glass
2 Chrome shelves
3 Device housing
4 Control panels
5 Adjustable feet
6 Door handles

Delivery scope

The delivery scope of this device includes six chrome shelves, a water tray and two door handles with each two mounting screws, flat washers and cover stickers.

Specifications

BOMANN Model No.	**KSW 192**
Bottles capacity	12 à 0,75 l
Net capacity	32 l
Power consumption(1)	1,20 kWh/24h - 438 kWh/year
Climate class	N (+16°C up to +32°C)
Power supply	220-240 V, 50/60 Hz
Input power	83 W
Dimensions H x W x D	38,2 x 47,2 x 51,9 cm
Gross / net weight	17,5 / 16,3 kg
(1) The actual energy consumption depends on the use and installation of the device.	

All device-specific energy data have been determined by the manufacturer under laboratory conditions in accordance with pan-European standardized measuring methods. These are regulated by EN ISO 15502. The actual energy consumption depends on the usage and might therefore also be above the values determined by the manufacturer under standard conditions.
An expert knows these relations and will execute the tests with special measurement instruments in accordance with the regulations in place.

MANUFACTURER DATA
Product is subject to changes and improvements.

INSTALLATION

Location

Sufficient ventilation around the device is necessary in order for the heat to dissipate properly and to guarantee efficient cooling operation at low power consumption. For this purpose, leave sufficient space around the device.

- Minimum clearance of 5 cm between rear side and wall,
- at least 20 cm on both sides and on the top of the device.
- Leave proper space in front of the device in order to open both doors at an angle of 120°.

IMPORTANT

- Do not expose the device to direct sunlight.
- Do not place near heaters, next to a stove or any other heat sources.
- Do not use the device outdoors.
- Only install at a location with an ambient temperature suitable for the climate class of the device. For information on the climate class, please refer to chapter “Specifications“ or to the rating label located in the interior or on the rear side of the device.
- Avoid installation at locations with high humidity (e.g. outdoors, bathroom), as metal parts would be susceptible to corrosion under such circumstances.
- Do not place the device near volatile or combustible materials (e.g. gas, fuel, alcohol, paint, etc.) and in rooms which may have poor air circulation (e.g. garages).
- Only place on a steady and safe surface.
- This appliance is equipped with non-slip rubber feet. As furniture surfaces are made of a variety of materials and are treated with many different types of cleaning agents, it cannot be completely ruled out that some of these substances may contain ingredients which could corrode the rubber rests and soften them. If possible place an antislip material under the feet of the device.
- If the device is not horizontally leveled, adjust the feet accordingly.

Power supply

The kind of current (AC) and the voltage must be conform with the data of the rating label, located inside or outside on the back of the unit. In case of heavy voltage fluctuations, it is recommended to use an automatic alternating current regulator.
The plug, together with the grounding conductor, must fit into the wall socket. The mains plug must be freely accessible.

STARTUP/ OPERATION

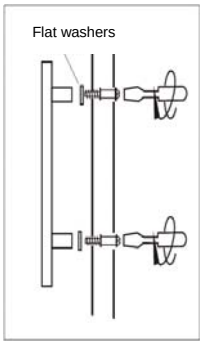
Prior to first use

- Clean the interior of the device including all accessory parts located inside.

Connect the device to the mains supply

	IMPORTANT The device must be earthed properly. For this purpose the plug of the mains cable has been fitted with the intended lead.
	IMPORTANT Contact an electrician if the plug does not fit in the wall socket.
	IMPORTANT In case you disconnect the device or in case of power failure: Wait for 5 minutes before restarting the device.

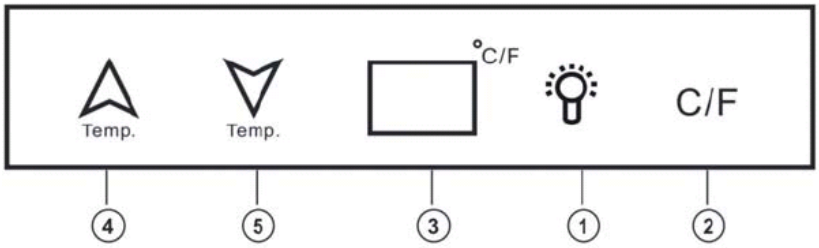
Assembling the water tray
Sliding-in the water tray along the track which is located below the unit. The tray should be slide from the back of the unit.



Assembling the door handles
Note the existing hole positions on the door frame for installing the door handles.
Open the doors and take the door sealing at the door frame carefully aside.
Insert the screws (provided) in the below holes. Put the flat washers (provided) on the respectively end of the screws.
Use a screw driver to mount the door handles. Align the handles and tighten the screws. To avoid damages at the handles do not over-tighten the screws.
If needed, use the included stickers to cover the holes on the inner door frame.
Replace the door sealing to its original position.

Turning on the device
Turn on the device by connecting the plug to a wall socket.
Operate the temperature controls, which are located on the control panels at the front of the unit.
Both areas can be independently regulated and/or adjusted of each other.
Please also refer to the following chapter “Settings“.

Settings



1. Light
The interior light is turning on and/or off by pressing the button . Pls. also refer to the chapter „Interior light“.

2. Temperature unit
You can change the temperature indication from Celsius „C“ to Fahrenheit „F“ by pressing the button C/F.

3. LED-Display
The display indicates your temperature setting and the actual internal temperature.
- When the device turned on the LED always shows the standard setting 10°C. Short time after that the LED indicates the internal temperature.

4 + 5. Temperature control
Regulate the internal temperature by pressing the buttons 4 up (warmer) or 5 down (cooler). The setting happens in one grad Celsius and/or Fahrenheit steps. About 5 sec. after the last button press the electronic switch automatically and the actual internal temperature will be indicated.
- The temperature range can be regulate between 4°C and 22°C, max. 17°C below the ambient temperature. The optimale room temperature is approx. 20°C.
- Is the ambient temperature 25°C, the lowest internal temperature of 8°C can be reached. When the ambient temperature is 21°C the internal temperature falls to max. 4°C.
- The thermostat recognizes an outside temperature between 0°C and 70°C.
  Is the outside temperature lower than 0°C and higher than 70°C the display will show „--“, until the device has warmed up and/or cooled down.

Storing / Tempering

- Fill the device from the bottom tot he top, this cools the bottles faster.
- The following specifications are only recommendations and are optional:

Wine	Temperature
Champagne, sparking wine	7 – 10°C / 45 – 50°F
Fruit wine	10 – 12°C / 50 – 54°F
Light red wine / white wine	12 – 13°C / 54 – 56°F
Dessert wine	14 – 15°C / 57 – 59°F
Red wine	14 – 17°C / 57 – 63°F

- We suggest to serve wine cool than too warm; white wines less cool in winter and red wines cooler in summer.
- The temperature in the device will be warmer at the top of the cooling zone and cooler at the bottom. If you are going to store a mixture of wine types in the device, it is recommended that the red wines are stored at the top of the cooling zone, white wine in the middle of the cooling zone and sparking wines at the bottom.
- Ultimately, the correct temperature is a matter of personal taste.

Defrosting

The device has an automatic defrosting system.
The arising condensate during the operation runs through the drain opening to the outside into the water tray, where it will evaporate.

Turning off

Unplug the device in order to turn it off.
If the device will not be operated for a longer period of time:

- Remove the entire content from the device.
- Disconnect the plug or turn off / unscrew the fuse.
- Thoroughly clean the device (refer to chapter of “Cleaning and Care”).
- Keep the door open in order to prevent bad odors.

TIPS FOR SAVING ENERGY

- Disconnect the plug if you do not use the device.
- Do not install the device near stoves, heaters or other heat sources. In case of higher ambient temperatures, the ventilator will run more frequently and longer.
- Ensure sufficient ventilation at the bottom and rear side of the device.
  Never block any ventilation openings.
- Always keep the ventilation openings at the rear side clean.
- Only set the temperature as low as needed.
- The temperature in the device will be warmer at the top of the cooling zone and cooler at the bottom. If you are going to store a mixture of wine types in the device, it is recommended that the red wines are stored at the top of the cooling zone, white wine in the middle of the cooling zone and sparking wines at the bottom.
- Pre-cool the wine for 2 hours in refrigerator before storing inside the device.
- Only switch the interior light on if necessary.
- Do not open the door longer then necessary.
- Make sure the door sealing is in good order for the door to close properly.

MAINTENANCE AND CLEANING

Cleaning and care

For hygienic reasons, clean the interior and accessory parts regularly.

	WARNING Always disconnect the plug or turn off/ unscrew the fuse before cleaning. Pull the plug and not the cable.
	WARNING Do not use steam cleaners for cleaning the device; moisture could enter electrical components. Risk of electric shock! Hot steam could damage the plastic parts. The device must be dry before restarting operation.
	IMPORTANT Essential oils and organic solvents, such as the juice of lemon or orange skin, butanoic acid or cleaning agents containing acetic acid can damage plastic parts. Prevent contact of any part with such substances. Do not use abrasive cleaning agents.

- Remove the contents and keep covered at a cool location.
- Use warm water and a mild detergent for cleaning the interior (including rear side and bottom).
- After thorough drying, restart operation.
- Clean the ventilation openings on the rear side by using a soft brush or vacuum cleaner.

Interior light

The light contributes to a warming of the interior. Therefore we recommend, switch the light off if it is not needed. This also saves energy!

	IMPORTANT The light diodes of the device have an extremely long lifespan. It is not necessary and also not possible, to exchange them. The light diodes are firmly assembled into the light. Under no circumstances should you open the light! This would irreparably damaged the device.

Repairs

	WARNING Servicing of electric devices must be conducted by qualified experts only. Incorrect or improper repairs constitute a risk for the user and will void the warranty!

What if . . . Troubleshooting

The design of the device ensures a trouble-free operation as well as a long life cycle. Nevertheless, if any defect occurs during operation, please check if it is caused by improper operation.

The following problems can be solved by you by checking for the possible cause.

PROBLEM	POSSIBLE CAUSE	SOLUTION
The device is not working properly or at all	Is the plug securely connected to the mains? Has the safety mechanism of the wall socket been triggered? Is the temperature control properly set? Is the place unqualified? Do bottles or shelves prevent the door from closing properly? Is the ventilation of the device hedged?	Connect the plug properly to the socket, turn on the fuse and contact a technician if necessary. Check the settings. Check the ambient temperature. Arrange the bottles and shelves properly. Clear the ventilation openings, install the device freely
Loud noise during operation	Does the device not stand vertical or horizontal?	Adjust the feet accordingly.
The ventilation runs often or always.	The temperature has been programmed to a very low temperature, or the difference between the ambient and programmed temperature is very large.	Then it is normal that the ventilator is running. It is not a malfunction.

Water on the bottom.	Is the temperature control set properly? Is the drain opening logged?	Check the temperature settings. Clean the drain opening with a pipe cleaner or knitting needle.
Interior lamp does not work.	Is the plug not connected to the mains? Has the safety mechanism of the wall socket been triggered? Is the illuminant defect?	Connect the plug properly to the socket, turn on the fuse, and contact a technician if necessary. Contact the distributor or a technician.

Note. On days of high humidity, condensation might occur on the outer surface of the device. This is no malfunction; you may simply wipe the water off.

If a problem still persists after following the steps above, please contact your distributor and/or a technician.

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www.bomann.de